

(12) **UK Patent Application** (19) **GB** (11) **2 229 391 A** (13)
 (43) Date of A publication 26.09.1990

(21) Application No 8923813.3

(22) Date of filing 23.10.1989

(30) Priority data
 (31) 8906433 (32) 21.03.1989 (33) GB

(71) Applicant
Goldseam Ltd
 (Incorporated in the United Kingdom)
 441 Clydach Road, Ynysforgan, Morriston, Swansea,
 United Kingdom

(72) Inventors
 Brian O'Mara
 Neil O'Mara
 Stephen O'Mara

(74) Agent and/or Address for Service
 Urquhart-Dykes & Lord
 Cardiff Business Technology Centre,
 Senghennydd Road, Cardiff, CF2 4AY, United Kingdom

(51) INT CL^a
 B25H 7/00

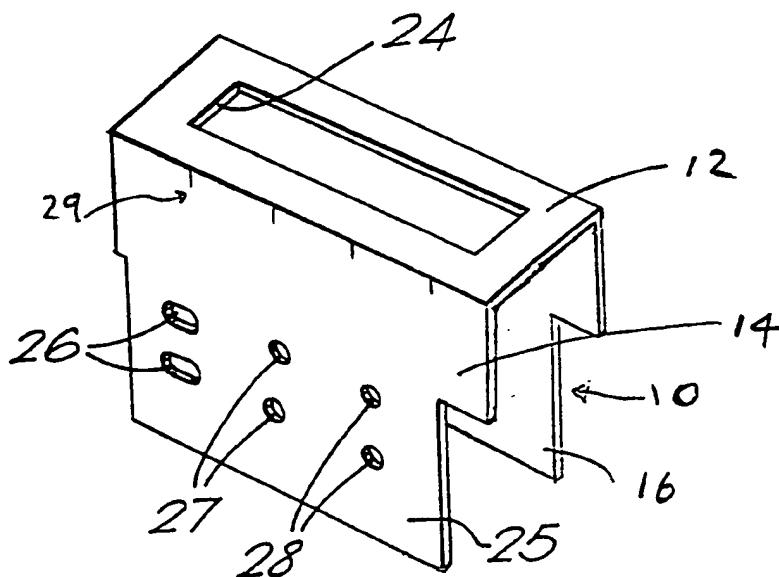
(52) UK CL (Edition K)
 B4X X2F
 U1S S1715

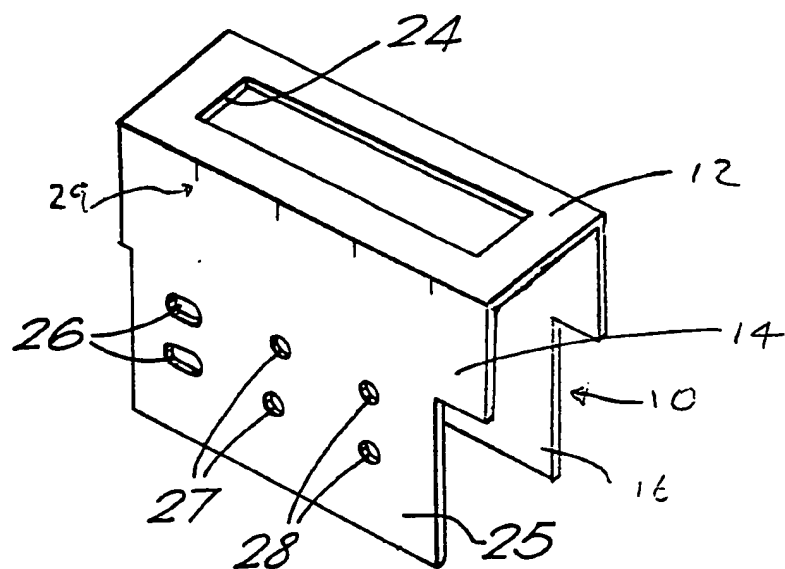
(56) Documents cited
 GB 2219763 A GB 2197241 A GB 0699775 A

(58) Field of search
 UK CL (Edition J) B4X X2F
 INT CL^a B25H 7/00
 Online databases: WPI

(54) **Lock fitting template**

(57) A device for use in fitting locks to a door comprises a channel section element 10 having a rectangular aperture 24 in its base 12 and holes 26, 27, 28 in its sides 14, 16. In use, the element is fitted over the edges of the door and the aperture 24 is used for either marking out or cutting out a recess required for receiving the lock and the holes 26, 27, 28 are used for either marking out or cutting holes in the door for elements of the lock.





LOCK POSITIONING DEVICE

This invention relates to a device for use in fitting a lock to a door.

When fitting a lock to a door, the positioning of the lock on the edge of the door needs to be carried out carefully out carefully otherwise the lock will not engage correctly. Also care is needed to ensure that the recess cut in the edge of the door is formed of the correct size so as to receive the hinge flange neatly.

We have now devised a device for use in fitting a lock accurately and neatly to the edge of a door.

In accordance with this invention, there is provided a device for use in fitting a lock to a door, comprising a channel-section element for fitting over an edge of the door, a rectangular opening being formed in the base of the channel-section element, for use in marking or cutting out a recess in the edge of the door for a lock.

In use of this device, the channel-section element is fitted over the edge of the door which is to receive the lock. The element is positioned so that the rectangular opening lies where the lock is to be positioned. Then either the rectangular opening is used for marking out the position which the lock is to occupy (and the device removed so that the recess for the lock can be cut out from the door), or the recess can be cut out from the door whilst the device is left in position.

Preferably also the sides of the channel-section element are formed with holes for locating the positions of the elements of the lock (e.g. door handle) on the sides of the door.

Also in accordance with this invention, there is provided a method of fitting a lock to a door using the above-defined device, comprising engaging the channel section element over an edge of the door, then using the

rectangular opening for marking out or cutting a recess in the edge of the door to receive the lock.

An embodiment of this invention will now be described by way of example only and with reference to the accompanying drawing, the single figure of which is a perspective view of a device in accordance with the invention for use in fitting a lock to a door.

Referring to the drawing, there is shown a device or template for use in accurately positioning a lock when fitting this to a door. The device or template comprises a channel-section element 10 having a base wall portion 12 and two parallel side walls 14, 16 projecting from the opposite edges of the base wall generally at a right-angle to the latter. The channel section element 10 is preferably a one-piece moulding of plastics material so that it can be fitted over the edge of a door with the base wall 12 in face-to-face contact with the edge of the door and the opposite side walls 14, 16 gripping the opposite faces of the door and so retaining the device firmly on the edge of the door.

The base wall 12 is formed with a rectangular aperture 24 extending lengthwise of the device and centrally between its opposite longitudinal edges. The opposite sides of the channel-section element are extended at 25 and provided with holes for locating the positions of the elements of the lock on the sides of the door and include e.g. holes 26 for keyholes of alternative size locks. The device is also provided with graduations 29 along one or both of its edges.

In use, the device is engaged over the edge of the door and the position for the lock may be marked on the door by running a pencil or sharp edge around the edge of the aperture 24 in the device, so that the required recess for the lock can be cut out when the device is removed. Instead, the recess for the hinge can be cut out whilst the

device is in position on the door, using the edge of the aperture 24 to define the limits of the recess.

By using the device or template which has been described, a recess of the correct size can be cut in the edge of the door and the holes for the keyhole and door handles cut at the correct positions, before the lock is fitted in place.

CLAIMS

1. A device for use in fitting a lock to a door, comprising a channel-section element for fitting over an edge of the door, a rectangular opening being formed in the base of the channel-section element, for use in marking or cutting out a recess in the edge of the door for a lock.
2. A device as claimed in claim 1, in which the sides of the channel section element are formed with holes for locating the positions of the elements of the lock (e.g. door handle) on the sides of the door.
3. A device substantially as herein described with reference to and as shown in the figure of the accompanying drawing.
4. A method of fitting a lock to a door using a device as claimed in claim 1, comprising engaging the channel section element over an edge of the door, then using the rectangular opening for marking out or cutting a recess in the edge of the door to receive the lock.
5. A method as claimed in claim 4, further comprising using holes in the sides of the channel section element for marking out or cutting holes in the door for elements of the lock.
6. A method of fitting a lock to a door, substantially as herein described with reference to the accompanying drawing.